Please type a	plus s	ign (+)	inside	this	box

Sheet 1

PTO/SB/08A (08-00)

Approved for us. arrough 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of |2

Complete if Known					
Application Number	09/272,764				
Filing Date	03/19/1999				
First Named Inventor	SHI				
Group Art Unit	3737				
Examiner Name	E. Jaworski				
Attorney Docket Number	SHI01.NP001				

				U.S. PATENT DOCU	IMENTS		
Examine Initials	Examiner Cite Number (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
Zull.	1	5,560,364	B1	Porter	10/01/1996		
	2	3,640,271	B1	Horton	02/08/1972		
	3	4,265,251	B1	Tickner	05/05/1981		
	4	4,483,345	B1	Miwa	11/20/1984		
	5	5,535,747	B1	Katakura	07/16/1996		
	6	5,749,364	B1		05/12/1998		
	7	5,352,436		Wheatley	10/04/1994		
V	8	5,195,520	<u>B1</u>	Schlief	03/23/1993		
	<u> </u>						
	<u> </u>					<u> </u>	
	-					3700	
		.				0 5	
!	 					77	
<u> </u>	<u> </u>	ļ	-+			200	
	-				 		
	 		-+			ROOM	
	├─-				 		
	\vdash					· · · · · · · · · · · · · · · · · · ·	
\vdash	\vdash				- 	*:	
Щ		<u> </u>					

			•	FOR	EIGN PATENT DOCUMENTS	S		
Examiner	Cite	F	Foreign Patent Do		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	П
	No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Т6
			<u>_</u> .					
								11
						<u> </u>		\bot
		1						igspace
		 				ļ		+
 							-	+
								\perp

Examiner	8.1	Date		- J. I. A.1	
Signature	11/1/2	 Considered	0	(4) -0)	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



			1	C						
			reo ya	מון בו				,		
		1 4	IM a .							
Section 2.	Form PTO – 14	449 7	& TRADE	NET /						
3,000		W	& TRADE	ARR.					Sheet 2 of	<u>2</u>
Form PTO -	1449 U.S. Dep				Doc	ket No:	S	HI01.C1	001	
(Modified)	Patent ar	nd Traden	nark Offi	ce	!	al No.:	**	//:11: TE	Ch:	
	Information Discl	osure				olicant: ng Date:	•	Villiam T	ao Sni	
	Statement by App				Art	No.	_	737		
(1	use several Sheets is	f necessar	ry)		Exa	miner	J	aworski,	Е.	
			U.S. PAT	TENT DOC	UME	NTS				
Exmr		Issue					Sub-		Filing Dat	
Initial	Patent Number	Date	:	Patentee		Class	Class	I:	f Appropri	ate
	FOREIGN PAT	ENT O	R PUBLI	SHED FOR	EIG	N PATENT	APPLICA	TION		
Exmr	Document N		Publn					Sub-	Transl	ation?
Initial			Date*	Country	or Pa	tent Office	Class	Class	Yes	No_
-	OMITED BOOK		<u> </u>			D / D 1	45.111			
	Chara B.H.			_						
	Chang, P.H., second harmon	-				•	-			
144	pp. 1205-1214	_	pier us	ing uitraso	una	commast a	igenis. Ott	rusound	i meu D	101 22,
1	Forsberg, F.,	Goldbe	rg, B.B	., Liu, J.B	., M	erton, D.A	A. and Ra	wool, N	.M., 199	96. On
1/10	the feasibility				onic	imaging v	vith protei	naceous	s microsp	pheres.
/ " _	J Ultrasound N									
	Goldberg, B review. <i>Ultras</i>				_		. Ultrasou	ınd con	trast age	ents: a
	Gramiak, R. a		h, P.M.,	1968. Ech	ocar	diography	of the ao	rtic root	. Invest l	Radiol
M	3 , pp. 356-366									
	Krishna, P.D									
	ultrasound con									
1/1	Ophir, J. and Med Biol 15, p			989. Contra	ast a	gents in di	iagnostic i	ııtrasou	na. <i>Uttra</i>	isouna
	Schrope, B.A			use, V.L.,	19	93. Secon	nd harmo	nic ult	rasound	blood
011	perfusion meas									
	van Liew, H.	D. and	Burkard	l, M.E., 19	95.	Bubbles in	n circulati	ng bloc	d: Stabl	ization
/1/	and simulation	ns of c	cyclic c	hanges of	siz	e and co	ntent. J	Appl P	hysiol 7	9 , pp.
1/1	1379-1385.									
11	Wu, J. and T	•		-		•	•	a contr	ast agen	t in an
Eveniner	ultrasound fiel	a. <i>Ultra</i>	sound I	Med Biol 2 4	1 , pp			6-11	1 - 1 :	
Examiner	Driff					Date	Considered	6 16	1-01	

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO - 1449)

Use publication date indicated on the patent or published application. 37 CFR 1.98(b).

The place or publication refers to the name of the journal, magazine or other publication in which the article was published. Notice of January 9, 1992, 1135 O.G. 13 to 25 at 20.